

Title (en)
ACCELERATION SENSOR

Title (de)
BESCHLEUNIGUNGSMESSER

Title (fr)
CAPTEUR D'ACCÉLÉRATION

Publication
EP 2495572 A1 20120905 (EN)

Application
EP 11797806 A 20110617

Priority
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• JP 2011003466 W 20110617

Abstract (en)
An acceleration sensor includes a frame, a weight portion, an arm portion for connecting the frame and the weight portion, and a sensing portion for detecting a bend of the arm portion. The sensing portion includes a first electrode portion, a second electrode portion, and a strain resistor portion. The first electrode portion and the second electrode portion are provided on the weight portion. A first end of the strain resistor portion is connected to the first electrode portion, and a second end of the strain resistor portion is connected to the second electrode portion. The strain resistor portion is formed of a strain resistor film comprising a metal oxide. The strain resistor portion is formed in meander shape in the part which is nearer to the weight portion than the frame in the arm portion.

IPC 8 full level
G01P 15/12 (2006.01); **B81B 3/00** (2006.01); **G01P 15/18** (2013.01); **H01L 29/84** (2006.01)

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